INDEX

Alam, M. & Nott, P. R. The influence of friction on the stability of unbounded granular shear flow, 267–301

Atassi, O. V., Bernoff, A. J. & Lichter, S. The interaction of a point vortex with a wall-bounded vortex layer, 169–195

Bassom, A. P. & Gilbert, A. D. Nonlinear equilibration of a dynamo in a smooth helical flow, 375–406

Bernoff, A. J. *See* Atassi, Bernoff & Lichter

Bogucki, D., Domaradzki, J. A. & Yeung, P. K. Direct numerical simulations of passive scalars with $Pr < 1$ advected by turbulent flow, 111–130

Churilov, S. M. *See* Shukhman & Churilov

Clarke, S. R. & Johnson, E. R. Topographically forced long waves on a sheared coastal current. Part 1. The weakly nonlinear response, 131–151

Clarke, S. R. & Johnson, E. R. Topographically forced long waves on a sheared coastal current. Part 2. Finite-amplitude waves, 153–168

Derebail, R. *See* Koster, Seidel & Derebail

Domaradzki, J. A. *See* Bogucki, Domaradzki & Yeung

Dongen, M. E. H. van *See* Smeulders & Dongen

Fatica, M. *See* Orlandi & Fatica

Feng, J. *See* Huang, Feng, Hu & Joseph

Firdaouss, M., Guermond, J.-L. & Le Quéré, P. Nonlinear corrections to Darcy's law at low Reynolds numbers, 331–350

Fitzgerald, S. D. *See* Woods & Fitzgerald

Gilbert, A. D. *See* Bassom & Gilbert

Guermond, J.-L. *See* Firdaouss, Guermond & Le Quéré

Hu, H. H. *See* Huang, Feng, Hu & Joseph

Huang, P. Y., Feng, J., Hu, H. H. & Joseph, D. D. Direct simulation of the motion of solid particles in Couette and Poiseuille flows of viscoelastic fluids, 73–94

Johnson, E. R. *See* Clarke & Johnson

Joseph, D. D. *See* Huang, Feng, Hu & Joseph

Koster, J. N., Seidel, T. & Derebail, R. A radioscopic technique to study convective fluid dynamics in opaque liquid metals, 29–41

Le Quéré, P. *See* Firdaouss, Guermond & Le Quéré

Lichter, S. *See* Atassi, Bernoff & Lichter

Molokov, S. *See* Stieglitz & Molokov

Nott, P. R. *See* Alam & Nott

Olagunju, D. O. Inertial effect on the stability of viscoelastic cone-and-plate flow, 317–330

Orlandi, P. & Fatica, M. Direct simulations of turbulent flow in a pipe rotating about its axis, 43–72

Prasad, A. & Williamson, C. H. K. Three-dimensional effects in turbulent bluff-body wakes, 235–265

Schiaffino, S. & Sonin, A. A. Formation and stability of liquid and molten beads on a solid surface, 95–110

Seidel, T. *See* Koster, Seidel & Derebail

Shukhman, I. G. & Churilov, S. M. Effect of slight stratification on the nonlinear spatial evolution of a weakly unstable wave in a free shear layer, 197–233

INDEX

Alam, M. & Nott, P. R. The influence of friction on the stability of unbounded granular shear flow, 267–301

Atassi, O. V., Bernoff, A. J. & Lichter, S. The interaction of a point vortex with a wall-bounded vortex layer, 169–195

Bassom, A. P. & Gilbert, A. D. Nonlinear equilibration of a dynamo in a smooth helical flow, 375–406

Bernoff, A. J. *See* Atassi, Bernoff & Lichter

Bogucki, D., Domaradzki, J. A. & Yeung, P. K. Direct numerical simulations of passive scalars with $Pr < 1$ advected by turbulent flow, 111–130

Churilov, S. M. *See* Shukhman & Churilov

Clarke, S. R. & Johnson, E. R. Topographically forced long waves on a sheared coastal current. Part 1. The weakly nonlinear response, 131–151

Clarke, S. R. & Johnson, E. R. Topographically forced long waves on a sheared coastal current. Part 2. Finite-amplitude waves, 153–168

Derebail, R. *See* Koster, Seidel & Derebail

Domaradzki, J. A. *See* Bogucki, Domaradzki & Yeung

Dongen, M. E. H. van *See* Smeulders & Dongen

Fatica, M. *See* Orlandi & Fatica

Feng, J. *See* Huang, Feng, Hu & Joseph

Firdaouss, M., Guermond, J.-L. & Le Quéré, P. Nonlinear corrections to Darcy's law at low Reynolds numbers, 331–350

Fitzgerald, S. D. *See* Woods & Fitzgerald

Gilbert, A. D. *See* Bassom & Gilbert

Guermond, J.-L. *See* Firdaouss, Guermond & Le Quéré

Hu, H. H. *See* Huang, Feng, Hu & Joseph

Huang, P. Y., Feng, J., Hu, H. H. & Joseph, D. D. Direct simulation of the motion of solid particles in Couette and Poiseuille flows of viscoelastic fluids, 73–94

Johnson, E. R. *See* Clarke & Johnson

Joseph, D. D. *See* Huang, Feng, Hu & Joseph

Koster, J. N., Seidel, T. & Derebail, R. A radioscopic technique to study convective fluid dynamics in opaque liquid metals, 29–41

Le Quéré, P. *See* Firdaouss, Guermond & Le Quéré

Lichter, S. *See* Atassi, Bernoff & Lichter

Molokov, S. *See* Stieglitz & Molokov

Nott, P. R. *See* Alam & Nott

Olagunju, D. O. Inertial effect on the stability of viscoelastic cone-and-plate flow, 317–330

Orlandi, P. & Fatica, M. Direct simulations of turbulent flow in a pipe rotating about its axis, 43–72

Prasad, A. & Williamson, C. H. K. Three-dimensional effects in turbulent bluff-body wakes, 235–265

Schiaffino, S. & Sonin, A. A. Formation and stability of liquid and molten beads on a solid surface, 95–110

Seidel, T. *See* Koster, Seidel & Derebail

Shukhman, I. G. & Churilov, S. M. Effect of slight stratification on the nonlinear spatial evolution of a weakly unstable wave in a free shear layer, 197–233

Smeulders, D. M. J. & Dongen, M. E. H. van Wave propagation in porous media containing a dilute gas–liquid mixture: theory and experiments, 351–373

Sonin, A. A. *See* Schiaffino & Sonin

Stieglitz, R. & Molokov, S. Experimental study of magnetohydrodynamic flows in electrically coupled bends, 1–28

Williamson, C. H. K. *See* Prasad & Williamson

Woods, A. W. & Fitzgerald, S. D. The vaporization of a liquid front moving through a hot porous rock. Part 2. Slow injection, 303–316

Yeung, P. K. *See* Bogucki, Domaradzki & Yeung